

DATA MANAGEMENT PLAN

The proposed work will generate laboratory and field biological data. Results from the project will be published in peer reviewed journals, presented at scientific conferences, and highlighted in public presentations and media work that is ongoing by the PI. Specific archiving plans for data are outlined below.

BIOLOGICAL DATA

The proposed work will generate laboratory and field biological data exploring:

- Behavioral response of gastropod taxa to predatory sea stars under controlled pH conditions (both constant and variable), including: path length moved, net Euclidean distance moved, proportion of time spent out of water
- Accompanying effects of pH on sea stars
- Tests of how ocean acidification will affect direct and indirect species interactions, including interactions that cascade from sea stars through grazers to macroalgae.
- Information concerning the behavioral sensitivity to OA of multiple other intertidal species that interact in shoreline food webs.

These data will be archived at BML during the experiments, and uploaded to BCO-DMO at the conclusion of the experiments (within 1 year of completion of the project). Metadata and project descriptions will be uploaded annually during the proposed work to summarize ongoing experiments.

Data will also be uploaded to the international ocean acidification database maintained by the IAEA (<http://www.iaea.org/ocean-acidification>).